

Water-Data Report 2008

350243083264502 Local number MA-079, Coweeta Research Station, MW-2D near Otto, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers

Felsic Gneiss

Macon County, NC

LOCATION.--Lat 35°02'44", long 83°26'45.2" referenced to North American Datum of 1983, Macon County, NC, Hydrologic Unit 06010202, 4.5 mi west of U.S. Highways 441-23 on Coweeta Lab Road at Coweeta Hydrologic Laboratory near Otto. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 220 ft, diameter 6 in., cased to 20 ft, open hole from 20 ft to 220 ft.

DATUM.--Land-surface datum is 2,750.16 ft above North American Vertical Datum of 1988. Measuring point: top of protective steel casing, 3.11 ft above land-surface datum, August 9, 2007, to present.

PERIOD OF RECORD.--August 2007 to current year.

GAGE.--Measured periodically with electric and steel tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.55 ft below land-surface datum, March 5, 2008; lowest water level measured, 5.28 ft below land-surface datum, September 30, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	4.97	Apr 24, 2008	4.69
Jan 24, 2008	4.74	May 29	4.99
Mar 5	4.55	Jul 21	5.27
6	4.60	Sep 30	5.28
25	4.68		

Highest: 4.55 Mar 05, 2008

Lowest: 5.28 Sep 30, 2008

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